Jer	ISBN - 053446669	9 Publisher -	- Thomson Learning				
Provided by the Publisher	Introductory Botany:	Introductory Botany: Plants, People & Environment					
the P	Type - P1 Author - Berg						
d by	Copyright - 2008 E	dition - 2nd	Readability - 9.8 Flesch-Kincaid				
ovide	Course - Botany		Grade(s) - 9,10,11,12				
ď	Teacher Edition ISBN i	fapplicable	049510504X				
	Overall Recommendation: Recommended as Basal						
	available for review	The text provides t	ortunity for inquiry. The teacher text was not for a thorugh study of botany. The teacher will activities to supplement the student text.				
_			CRITERIA				
			pasal resource				
Δ	A. Encompasses KY Content Standards & Grade Level Expectations Strong Evidence Moderate Evidence Little or No Evidence						
		signed to be used in an	n elective course outside the Program of Studies				
	1) Includes the 7 Big	Ideas of science to the	ne following extent:				
	a) Structure and Ti	ansformation of Matter	Strong Moderate Little N/A				
	b) Motion and Ford	ees	☐ Strong ☐ Moderate ☐ Little ☒ N/A				
	c) The Earth and th	ne Universe	☐ Strong ☐ Moderate ☐ Little ☒ N/A				
	d) Unity and Divers	sity	Strong				
	e) Biological Chan	ge	Strong				
	f) Energy Transfor	mation	Strong				
	g) Interdependence	е	Strong				
	2) Addresses content understandings fro standards.	-specific enduring om the related Prograr	am of Studies				
	3) Addresses content the related Program	-specific skills and co					

Content addressed is current, relevant and non- trivial	Strong ☐ Moderate ☐ Little ☐ N/A
5) Provides opportunities for critical thinking/reasoning	☐ Strong ☑ Moderate ☐ Little ☐ N/A
 6) Strengths, Weaknesses, Comments: Specific strengths-which areas/concepts are covered expecific weaknesses-which areas/concepts would likely 	•
f. Energy Transformation is strong related to biochen includes an extensive section on biomes and and hur There are "Thought Questions", open-ended question Since the Teacher manual was not provided for revie additional critical thinking were available.	man impact on global ecology. ns at the end of every chapter.
B. Functionality & Suitability	Strong Evidence Moderate Evidence Little or No Evidence
1) Suitability	Strong ☐ Moderate ☐ Little ☐ N/A
 Should be suitable for use with a diverse population and ethnicity, gender, religion, social and/or geographic env any kind. 	
2) Content quality	Strong ☐ Moderate ☐ Little ☐ N/A
 Free from factual errors Content is presented conceptually when possible—mor Content included accurately represents the knowledge Theories/scientific models contained represent a broad 	base of the discipline
3) Connections to Literacy Note: may apply to either student or teacher editions	
 Employs a variety of reading levels and is grade/level a Contains pre, during, post reading activities Provides opportunities for summarizing, reviewing, and at multiple levels of difficulty for a variety of learning sty Student text provides opportunity to integrate reading a Uses vocabulary that is age and content appropriate Focuses on critical vocabulary vs. extensive lists Identifies key vocabulary through definitions in both text Engaging text- does the text facilitate learning? Does understanding the text require having performed to 	reinforcing vocabulary skills and concepts les. nd writing t and glossary
4) Connections to Technology	☐ Strong ☑ Moderate ☐ Little
 Integrates technology and reflects the impact of technology 	logical advances

Uses technology in the collection and/or manipulation of authentic data			
5) Support for Diverse Learners	☐ Strong ☐ Moderate ☐ Little		
 Provides support for ESL students Provides support for differentiation of instruction in diverse class Note: may apply only to teacher edition 	rooms		
 6) Strengths, Weaknesses, Comments: Reviewers may provide page numbers to point out specific stron evaluation standards. 	g examples for individual		
1. As a botany text, the book is ethnically neutral but the text variety of ethnically diverse photographs or illustations. 3) beginning of each chapter, key vocabulary are in bold print, study outline at the end of each chapter. Concept statement sections. Thought questions can be used for essay writing or student text is accompanied by a supporting web site www.t provides career information, animations, and linked web site chapter. The text does not include technology based labs. W Edition, no support for diverse learners was evident.	There are objectives at the supported by a glossary, a subheads introduce discussions. 4) The homsonedu.com that s to support every		
C. Supports Inquiry and Skill Development	Strong Evidence Moderate Evidence Little or No Evidence		
2. Supports Inquiry and Skill Development 1) Promotes Inquiry, research and Application of Learning	Moderate Evidence		
 Promotes Inquiry, research and Application of Learning Provides opportunities for inquiry and research that includes actitopics, formulating authentic questions, gathering information, reinterviewing, and evaluating information, analyzing and synthesistindings and conclusions. Requires students to use higher-level cognitive skills (analysis, so Provides activities and projects for students to deepen their known strengthen problem-solving and decision-making skills. Provides opportunities for application of learned concepts. Uses a variety of relevant charts, graphs, diagrams, time lines, a motivate students to engage in discussion, problem solving, and Emphasizes conceptual understandings that invite students to prodevelop and extend ideas to support reasoning. 	Moderate Evidence Little or No Evidence Strong Moderate Little vities such as self-selecting searching resources, observing, zing data and communicating synthesis, evaluation, etc.) vledge and cultivate and and other illustrations to invite and other high-order thinking skills.		
 Promotes Inquiry, research and Application of Learning Provides opportunities for inquiry and research that includes actitopics, formulating authentic questions, gathering information, reinterviewing, and evaluating information, analyzing and synthesistindings and conclusions. Requires students to use higher-level cognitive skills (analysis, so Provides activities and projects for students to deepen their knows strengthen problem-solving and decision-making skills. Provides opportunities for application of learned concepts. Uses a variety of relevant charts, graphs, diagrams, time lines, a motivate students to engage in discussion, problem solving, and Emphasizes conceptual understandings that invite students to property in the students of the studen	Moderate Evidence Little or No Evidence Strong Moderate Little vities such as self-selecting searching resources, observing, zing data and communicating synthesis, evaluation, etc.) vledge and cultivate and and other illustrations to invite and other high-order thinking skills.		

- Provides opportunities to make sense of data
- Provides opportunities for critical thinking and reasoning (analyze arguments, distinguish fact/opinion, recognize bias)
- Provides opportunities to examine a range of types of evidence
- Contains embedded activities (or extensions) that emphasize use of technology for problem solving

Note: may apply to either teacher or student edition

1) Organizational Quality

3) Strengths, Weaknesses, Comments:				
Thought questions are provided at the end of the chapter. T evident, little opportunities for inquiry.	here are no laboratories			
D. Supports Best Practices of Teaching and Learning	Strong Evidence Moderate Evidence Little or No Evidence			
1) Engages Students	Strong			
 Includes content geared to the needs, interests, and abilities of students Engages and motivates students using components such as real-life situations, simulations, experiments, and data gathering. Includes information and activities that assist students in seeing relevance of concepts (where appropriate) to their own lives and experiences Provides a variety of strategies, activities, and materials to enhance student learning at the appropriate learning levels Activities are truly congruent to the concepts addressed, not merely correlated <i>Note: may apply to either teacher or student edition</i> 				
2) Uses Assessment to Inform Instruction	☐ Strong ☐ Moderate ☒ Little			
 Includes multiple means of assessment as an integral part of instruction Provides evaluation measures in the teacher edition that supports differentiated learning activities Embedded assessments reflect a variety of Depth of Knowledge levels <i>Note: may apply to either teacher or student edition</i> Strengths, Weaknesses, Comments: Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards 				
Process of Science icons highlight discussions about the work that scientists do. Icons/boxes highlight the environment, the human importance of plants and topics that relate to environmental issues and current events. 2) Teacher edition not provided to determine assessments available. Thought Questions are provided at the end of each chapter. The student text web site provides interactive quizzes that references the student text with page numbers for incorrect answers.				
E. Has an Organization/ Format that Supports Learning and Teaching	Strong EvidenceModerate EvidenceLittle or No Evidence			

- Print and/or electronic materials present minimal barriers to learners
- Presents chapters/lessons in an organized and logical sequence
- Provides clearly stated objectives for each lesson.
- Uses text features (e.g., titles, headings, subheadings, review questions, goals, objectives, space, print, type size, color) to enhance readability.
- Makes use of various forms of media (e.g., CD's, recordings, videos, cassette tapes, computer software, web-based components) as either student or teacher resources
- Includes clear, accurate, appropriate and clearly explained illustrations and/or graphics that reinforce content standards.
- Incorporates a glossary, footnotes, recordings, pictures, and/or tests that aid pupils and teachers in using the book effectively
- Uses grade-appropriate type size

Included media are durable, easy to use and have technical merit

• Construction appears to be durable and able to withstand normal use

2)	Essential (Components	(beyond	student	and	teacher	text))
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Strong	Moderate	□ Little

 Items identified as essential components support the learning goals and concept coverage of the basal

3) Strengths, Weaknesses, Comments:

 Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

Process of Science icons highlight discussions about the work that scientists do. Icons/boxes highlight the environment, the human importance of plants and topics that relate to environmental issues and current events. Learning objectives in the beginning of each chapter. Uses grade-appropriate font. Balanced use of text/whitespace and photographs/illustrations. Concept statement subheads preview sections and summarize key ideas. Website provided for each student text, with access code.

F. I	Has avai	lable /	Ancillar	v/ Gratis I	Materials

Note: The decision whether to recommend or not recommend this resource as a basal should not be influenced by Section F

Strong Evidence
Little or No Evidence

1) Ancillary/Gratis Materials

- Coordinates teacher resources easily with student material (e.g., accompaniments included, student pages shown, instructional technology indicated).
- Are well-organized and easy to use
- Provide substantive learning opportunities and are congruent with student learning goals
- Provide opportunities for high-level thinking, assessment, and/or problem solving

2) Strengths, Weaknesses, Comments:

 Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

Ancillary materials available include an Instructor's Manual with Test Bank, a Laboratry Manual, a Multimedia Manager, Overhead Transparencies, and Virtual Biology Labs.